

Updates on the National Public Safety Broadband Network

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August 14, 2012



Public Safety Interoperable
Communications Office

Outline



- Arizona Public Safety Broadband Network (AZPSBN) Status
 - AZPSBN Project Plan & Approach
 - Recent Activities
 - » Coordination/Outreach
 - » National Meetings/Activities
 - » Vendor Meetings
 - Review of High Level Timeline

AZPSBN Project Plan (1 of 2)



- Track NPSBN progress (on-going), in particular:
 - The Interoperability Board’s minimum technical requirements
 - First Net’s progress on RAN planning
 - Input/decisions from agencies such as the FCC, NTIA, DHS, OEC, etc.
- Provide input to the Statewide Communications Interoperability Plan (SCIP) update effort as it relates to broadband planning – complete
- Work with the Digital Arizona project and 9-1-1 programs to assure integration and to identify synergies – on-going
- Work with the Arizona public safety community to advise the PSCC regarding statewide standards for interoperability on the NPSBN – in progress
- Continually Report on progress – on-going

AZPSBN Project Plan (2 of 2)



- Develop and present education and outreach on AZPSBN for local jurisdictions – in progress
- Advise the PSIC Office in regard to a grant request under the State and Local Implementation Grant Program (SLIGP) planned
- Work with the Arizona public safety community to plan how Arizona will interact with the NPSBN and FirstNet – planned
- Plan and prepare for the FirstNet RFP proposal by recommending minimum criteria based on Arizona's public safety needs – planned
- Perform the research and analysis required to provide substantive input on the Opt-In/Opt-Out decision – planned

More Details re: Planning Approach



- Seek more information on projected costs and ways to overcome the projected shortfall
- Develop and administer surveys to assess local needs and possible shared assets
- In alignment with the “2 Highways” model of the Digital Arizona Project:
 - Identify each segment of the proposed fiber back haul
 - Identify the local stakeholders for Education, Health, Governmental and Public Safety along those routes
- Develop the metrics, cost-models and public/private partnership options for each segment

Coordination/Outreach



- On May 22nd PSIC met with key public safety stakeholders as part of our annual Statewide Communications Interoperability Plan (SCIP) Implementation Workshop. Stakeholders discussed proposed changes to the SCIP to more formally integrate Broadband and the NPSBN into Arizona's strategic plan. The updated SCIP was approved by the Public Safety Communications Advisory Commission (PSCC) on July 17th
- On July 17th presented a project overview and update to the Public Safety Communications Advisory Commission (PSCC) at its meeting in Flagstaff. With six new Commissioners on the PSCC, we provided detailed background information to assure all Commissioners have a common understanding of the project and its status ([PSCC Presentation](#))

Coordination/Outreach (cont.)



- On July 10th gave an overview of the AZPSBN project to the annual Arizona meeting of the Association of Public-Safety Communications Officials (APCO) /National Emergency Number Association (NENA)
- Continued our weekly meetings with the Digital Arizona Project to explore synergies between the efforts
- On July 11th the PSIC Office and the Digital Arizona Project met with representatives of the Salt River Project to discuss possible infrastructure sharing options. The initial assessment was that there are some win-win possibilities worth pursuing

National Meetings/Activities



- The PSIC Office has been contributing to the National Public Safety Telecommunications Council's (NPSTC) Statement of Requirements document. Working sessions were held in May, June and August. Estimated completion - Sept 2012
- Attended the National Governance Association (NGA) Forum on "Preparing for Public Safety Broadband" in June. The key messages were:
 - The current Public Safety Land Mobile Radio systems will be required well into the future. The NPSBN is a data solution and will not replace mission critical voice in the foreseeable future
 - States should include their CIO in the planning process
 - Emphasized the need to explore Public-Private Partnerships with commercial cellular providers and utilities
 - Many of the Western States (CA, CO, NM, NV, UT, etc.) expressed interest in forming a regional broadband planning group to promote shared issues

National Meetings/Activities (cont.)



- Provided input to a request for comment from the NTIA on how best to organize and run the State and Local Implementation Grant Program (SLIGP) which will manage \$135M in funds for the States to plan for the NPSBN.
 - This input went to AZDOHS for inclusion in a response from the NGA.
 - It was also included in a response from the PSST-OAC (Waiver Recipient Operator Advisory Council)
 - It was submitted directly to the NTIA ([NTIA RFI input](#))
- Planned: Aug 19-22nd: Justin Turner, AZ's Deputy Statewide Interoperability Coordinator, will be attending the annual APCO Conference and will attend NPSBN related sessions

Vendor Meetings



- PSIC is having preliminary discussions with vendors. Some vendors are focused on assisting States with the SLIGP process while others are working toward partnering with FirstNet on the national build-out:
- SLIGP guidance and analysis:
 - RCC Consultants – 4/20
 - Televate – 5/11; 7/13 (see below)
 - Federal Engineering – 6/4
 - SAIC – TBD
- FirstNet partners:
 - Alcatel Lucent – 4/23; 7/9 (with Triadvocates)
 - Raytheon – 4/26; 6/26
 - General Dynamics – 6/5
 - Zayo (fiber provider) – 6/19
 - Northrop Grumman – 6/26
 - Motorola – TBD

Vendor Meetings (cont.)



- On July 13th the AZPSBN Project Workgroup, Digital Arizona Project and DPS met with Televate to discuss their study on the Public Safety Broadband coverage requirements for the State of Minnesota:
 - The discussion focused the cost of coverage estimates
 - The study indicates that the \$7B which has been allocated will be not be enough to complete a nationwide build out
- Met with Oceus Networks (portable 4G LTE systems) July 12th
 - Fully self-contained, expandable 4G LTE system including Radio Access Network (RAN) and Core (EPC, MME, PCRF, HSS, etc.)
 - May be an option for gap coverage while the backhaul is being built out and eventual deployable coverage for remote incidents

High Level Timeline Review



- March 22, 2012 – FCC’s interim Public Safety Interoperability Board formed - ✓
- April 17, 2012 – PSCC approved the AZPSBN Workgroup and project plan - ✓
- May 22, 2012 – FCC’s Interoperability Board published their requirements - ✓
- **August 20, 2012 – NTIA to announce FirstNet Board members**
- **August 22, 2012 – NTIA to provide guidance for the SLIGP grant process**
- Q4 2012 – Submit RFIs for cost, schedule and scope of AZ tech analysis/cost modeling
- Q1 2013 – NTIA to open SLIGP grant process
- Q2 2013 – Submit an Arizona SLIGP grant request to NTIA for the Arizona RAN
- Q3 2013 – Best guess estimate for SLIGP grant awards
- Q1 2014 – Review RAN analysis/costing results with the Governor’s Office
- Q4 2014 – Issuance of RFP to Arizona from FirstNet
- Once the RFP is provided, perform a comparative analysis and review with the Governor’s Office for the Opt-In/Opt Out decision (90-days after the receipt of the RFP)



Discussion; Questions?

Thank You!

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